

## CLAIMS

Having thus described my invention, I claim:

- 1        1.     An evacuation system comprising:  
2           means for determining a safe direction of evacuation from a premises depending on  
3 a location of a threat or other condition; and  
4           means for indicating to individuals the direction of evacuation.
  
- 1        2.     The evacuation system of claim 1 further comprising:  
2           means for notifying other parties external to the premises of the evacuation.
  
- 1        3.     The evacuation system of claim 1 wherein the means for determining a safe  
2           direction of evacuation comprises:  
3           one or more sensors to indicate a threat, its type and its location.
  
- 1        4.     The evacuation system of claim 3 wherein the sensors comprises one or more  
2           individuals who observe the threat.
  
- 1        5.     The evacuation system of claim 3 wherein the one or more sensors includes  
2           one or more devices taken from a group of fire and smoke detectors, gas  
3           detectors and radioactive detectors.
  
- 1        6.     The evacuation system of claim 1 wherein the means for indicating the  
2           direction of evacuation comprises audio indicators.
  
- 1        7.     The evacuation system of claim 1 wherein the means for indicating the  
2           direction of evacuation comprises visual indicators.

- 1        8.     The evacuation system of claim 1 wherein the means for indicating the  
2           direction of evacuation comprises both audio and visual indicators.
- 1        9.     The evacuation system of claim 6 wherein the audio indicators include at least  
2           one from a group of indicators comprising a public address system and alarm.
- 1        10.    The evacuation system of claim 7 wherein one or more visual indicators  
2           comprises visual indicators from the group comprising persons and lights.
- 1        11.    The evacuation system of claim 8 wherein:  
2           the audio indicators include at least one from a group of indicators comprising a  
3           public address system and alarm; and  
4           one or more visual indicators comprises visual indicators from the group comprising  
5           persons and lights.
- 1        12.    The evacuation system of claim 10 wherein the lights comprise a combination  
2           of a red and green lights wherein red indicates wrong direction of evacuation  
3           and green indicates correct direction of evacuation.
- 1        13.    The evacuation system of claim 9 wherein the audio device submits a coded  
2           alarm to indicate the direction of evacuation.
- 1        14.    The evacuation system of claim 9 wherein the audio device submits a vocal  
2           alarm to indicate direction of evacuation.

1        15.    The evacuation system of claim 13 wherein the coded alarm comprises:  
2        one beep to indicate evacuation through one of the predetermined exit site or to the  
3 North;  
4        two beeps to indicate evacuation through one of the predetermined exit site or to the  
5 East;  
6        three beeps to indicate evacuation through one of the predetermined exit site or to the  
7 South;  
8        four beeps to indicate evacuation through one of the predetermined exit site or to the  
9 West; and  
10       a steady beep to indicate to seek shelter inside premises.

1        16.    The evacuation system of claim 13 wherein the coded alarm comprises a  
2        fading sound to indicate correct direction for evacuation.

1        17.    The evacuation system of claim 2 wherein the means for notifying other parties  
2        comprises a telephone interface having automatic dialing capability having a  
3        predetermined plurality of numbers and playback recorded messages.

1        18.    The evacuation system of claim 2 further includes at least one from a group  
2        consisting of a personal computer, e-mail, pagers, cellular phones, satellite and  
3        internet technology.

1        19.    The evacuation system of claim 1 wherein the means for determining a safe  
2        direction includes an on-site weather station capable of providing at least wind  
3        speed and wind direction.

1        **20.**    The evacuation system of claim 1 wherein a plurality of evacuation systems are  
2                    linked together to provide for protection over a plurality of premises and an  
3                    area.

1        **21.**    The evacuation system of claim 20 wherein:  
2                    the linked evacuation systems use latitude and longitude coordinates;  
3                    each coordinate comprises a location of a connected node; and  
4                    the latitude and longitude coordinates are used to determine evacuation direction for  
5                    that location.

1        **22.**    A method of evacuating premises comprising the steps of:  
2                    a.    ascertaining a safe direction of evacuation depending on a threat location,  
3                    weather or other conditions; and  
4                    b.    directing evacuation using audio and visual means.

1        **23.**    The method claimed in claim 22 further comprising the step prior to step b of:  
2                    using a web interface to initiate the evacuation.